

FIGURE 39: PPSCs isolated from rat skeletal muscle (RmSC-1) treated with 10^{-7} M dexamethasone for 21 days and then stained with antibody to IA4. Phase contrast; 100x. Black arrows point to stained cells.

- 5 **FIGURE 40:** PPSCs isolated from rat skeletal muscle (RmSC-1) then treated with conditioned medium from rat astrocytes for 21 days and stained with antibody RT-97. Phase contrast; 100x.

FIGURE 41: Karyotype 46, XX of CT3F cells at 37 cell doublings, isolated from a
10 17 year old female dermal biopsy.

FIGURE 42 depicts *in vitro* differentiation of PPSCs on Matrigel in the presence of 1% HS 10. Tube formation is evident.

- 15 **FIGURE 43** depicts *in vitro* differentiation of PPSCs on Matrigel in the presence of 1% HS 10 and VEGF. Tube formation is evident.

FIGURE 44 depicts PPSC localization in the bone marrow one week after IV
20 injection into an ischemic animal.

FIGURE 45 depicts ELSCs grown under different conditions 12 hours after reseeding in Matrigel.

- FIGURE 46** depicts ELSCs grown under different conditions after reseeding in
25 Matrigel.

FIGURE 47 depicts ELSCs grown under different conditions after reseeding in Matrigel.

- 30 **FIGURE 48** depicts ELSC transplantation into a hindlimb ischemia model at 2 weeks post cell transplantation.